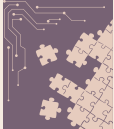# Puzzle Garden

Exploring Casual and Serious Features in a Mixed-Initiative Logic
Puzzle Authoring Tool

Fiona Shyne, Kaylah Facey, and Seth Cooper
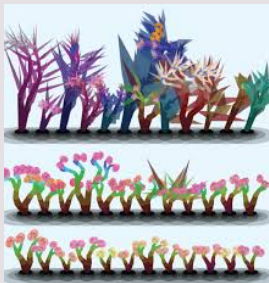
January 14, 2026

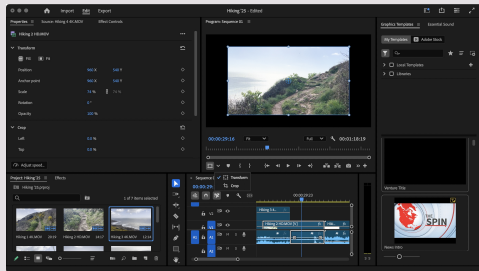Northeastern University
**Khoury College of
Computer Sciences**

Casual Creators

"Serious" Support Tools

Fiona Shyne, Kaylah Facey, and Seth Cooper │ Puzzle Garden

Introducing Puzzle Garden

Home   Generate Puzzles   View Liked Puzzles   Community Puzzles   Fill out a survey

Play Puzzle   Edit Puzzle

Interactive   Printable

Magical Cure

You have just been cursed by an evil witch. You travel far and wide to find a cure for this curse. You have found the home of an esteemed healer who has healed this exact curse many times before. However when you arrive there, he is nowhere to be found. Maybe if you look at the notes and clues scattered in his house, you will be able to create this magical cure, and heal yourself before it's too late! [Note to designers: this can easily be adapted for anytime of magical ritual you want players to conduct]

Hints

(click to cross out/uncross)

1. The Boiled ingredient is added before the Shaved ingredient
2. ~~The 1st ingredient is Nightshade~~
3. Either the 1st ingredient is Shaved or the ingredient that is Chopped is Eye of Newt
4. Either the 3rd ingredient is Chopped or the Parsley should be Boiled
5. Either the Nightshade is added 3rd or the Eye of Newt is added 4th
6. The Boiled ingredient is added 1 before the Shaved ingredient

Puzzle Grid

Order   **Ingredient**

	1st	2nd	3rd	4th	Nightshade	Lavender	Parsley	Eye of Newt
Boiled								
Melted								
Shaved								
Chopped								
Nightshade	X	O	X	X				
Lavender	X							
Parsley	X							
Eye of Newt	X							

Preparation / *Ingredient*

Select Mark

[ ] [O] [**X**] [O] [X]

Check my Solution   Clear Solution

At least one answer is incorrect or incomplete

Modes of Interaction

Casual Features

Home | Generate Puzzles | View Liked Puzzles | Community Puzzles | Fill out a survey

Puzzle GARDEN

Generation Cycle: 1 of 10. Total puzzles: 31 + cycles

[Show Best] [Show All]

1. The Chopped ingredient is not Lavender
2. The Eye of Newt is either Boiled or added 4th
3. The Shaved ingredient is added 1 before the Lavender
4. Either the Nightshade is added 3rd or the Lavender is added 3rd
5. The Chopped ingredient is added 2 before the Melted ingredient

1. The Melted ingredient is added 3rd
2. Either the Melted ingredient is added 1st or the 4th ingredient is Eye of Newt
3. Parsley should be added 1 ingredients before the ingredient that is Melted
4. The ingredient that is Shaved is Parsley
5. Nightshade should be added 2 ingredients before the ingredient that is Melted
6. The 4th ingredient is Chopped

1. The Boiled ingredient is not Nightshade
2. The Eye of Newt is either Boiled or added 4th
3. The 3rd ingredient is Boiled
4. Lavender should be added 1 ingredients before the ingredient that is Chopped
5. Either the 2nd ingredient is Parsley or the ingredient that is Shaved is Parsley
6. Nightshade should be added 2 ingredients before the Lavender

Logistician
This is the hardest puzzle I could find.

Minimalist
This is the simplest puzzle I could find.

Explorer
This puzzle has the most different kind of hints.

[Select] [Select] [Select]

Serious Features

Home | Generate Puzzles | View Liked Puzzles | Community Puzzles | Fill out a survey

Puzzle GARDEN

Generation Cycle: 1 of 10. Total puzzles: 25 + cycles

[Show Best] [Show All]

Filter

Filter Hints

[Add Hint Filter]

Filter by Hint Size

Filter by Difficulty

Filter By Solution

	Monster	Reward
Location — Forest, Dungeon, Village		

Puzzles

Showing 25 puzzles

Quest Board
Difficulty: 3

Hints

1. Either the Monster Bug Bear or the Monster Bandit is the Reward 100GP
2. The Location Forest is the Reward 100GP
3. Either the Reward 50GP is the Location Castle or the Reward 200GP is the Location Dungeon
4. Either the Reward 50GP is the Monster Bug Bear or the Monster Direwolf is the Location Castle
5. The Location Village is 2 Rewards before the Monster Mimic
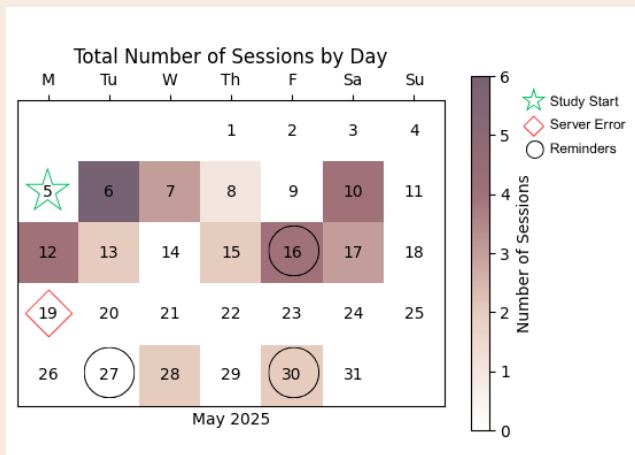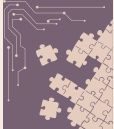6. The Reward 100GP was not the Monster Bug Bear

[Select]

Quest Board
Difficulty: 4

Fiona Shyne, Kaylah Facey, and Seth Cooper | Puzzle Garden

User Study

QR Codes

Try Puzzle Garden Yourself

https://logic-puzzle-creator.web.app/

Password: aiide2025

OSF Project

https://osf.io/wx436